PTO-1449 U.S. DEPARTMENT OF COMMERCE (Modified) PATENT AND TRADEMARK OFFICE

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use Several Sheets if Necessary)

ATTORNEY DOCKET NO .:

2658.400 LDQ-1190-CIP APPLICATION NO.: 09/580,026

1712

APPLICANT:

S. Dershem et al.

FILING DATE: May 26, 2000 GROUP:

(37 CFR 1.98(b))

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			TAIT DOCUMENTS			
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EXAMINER'S INITIAL	PATENT NUMBER	ISSUE DATE	PATENTEE	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
SMC	5,206,321	04.27.93	Hefner, Jr. et al	526	256	
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		CUMENT UMBER	PUBLICATION DATE	COUNTRY OR PATENT OFFICE	CLASS	SUB CLASS	TRANSLA YES	TION
Smo	62	-057420	03.13.87	Japan	C08G	73/106	Abstract	
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OTHE	R DO	ocu	MENTS (Including Author, Title, Date, Relevant Pages, Place of Publication)
One			Romenesko, B., Ball Grid Array & Flip Chip Technologies: Their Histories & Prospects, Vol. 19, No. 1, The International Journal of Microcircuits & Electronic Packaging, 1996.

EXAMINER:

DATE CONSIDERED:

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ORM PTO-1449 U.S. DEPARTMENT OF COMMERCE (Modified) PATENT AND TRADEMARK OFFICE

ATTORNEY DOCKET NO .: 2658.400 LDQ-1190-CIP

May 26, 2000

APPLICATION NO 09/580,02

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S. Dershem et al. GROUP:

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		U.S. PATE	NT DOCUMENTS	3			
EXAMINER'S INITIAL	PATENT NUMBER	ISSUE DATE	PATENTEE	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE	
SNU	H424	02-02-88	Martin et al	548	522		1
\wedge	3,403,172	09-24-68	Jordan, Jr. et al	260	404.5		[
	4,110,364	08-29-78	Gaku et al	528	170	RECE	
	4,179,551	12-18-79	Jones et al	526	262	11606	1 V
	4,193,829	03-18-80	Kourtides et al	156	276	ALIC 9.79	2002
	4,311,636	01-19-82	Hahn et al	260	45.8	AUG 2 7	ZUUZ
	4,336,311	06-22-82	Lucey	428	521	-04	200
	4,370,467	01-25-83	Gaku et al	528	322	1017	
	4,485,218	11-27-84	Bell et al	525	257		1
	4,533,975	08-06-85	Bill	361	323		1
	4,540,650	09-10-85	Klug et al	430	281		1
	4,578,328	03-25-86	Kray	430	18		1
	4,581,461	04-08-86	Rossi et al	548	406		1
, 1/	4,613,637	09-23-86	Landis et al	524	105		1
	4,621,122	11-04-86	Guilbert et al	525	422		1
~^^/	4,623,559	11-18-86	Hudock	427	54.1		1
01111	4,663,424	05-05-87	Stix et al	528	182		1

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	NUMBER	DATE	PATENT OFFICE		CLASS	YES	NO
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	0 051 165 A1	05-1982	European	H01L	23/14		
	0 357 110 A1	03-1990	European	C09D	151/00		
	0 475 655 A2	03-1992	European	C08K	9/10		
	1-152174	06-1989	Japan	C09D	5/44	Abstract	
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SMC	93/25386	12-1993	PCT	B32B	19/00		

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711	Bard and Brady, "A New Moisture Resistant Liquid Encapsulant", 42nd Electronic						
SMY	Components & Technology Conference, 1018-1022 (1992).						
Cotter et al., "The Synthesis of N-Substituted Isomaleimides", vol. 26, Jan. 1961							
\(l_l \)	15 (1961).						
(30/	Crivello and Conlon, "Aromatic Bisvinyl Ethers: A New Class of Highly Reactive						
	Thermosetting Monomers", <u>Journal of Polymer Science</u> , vol. 21, 1785-1799 (1983).						

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OF COMMERCE ATTORNEY DOCKET NO.: 2658.400 LDQ-1190-CIP

APPLICATION NO.: 09/580,026

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EXAMINER'S INITIAL	PATENT NUMBER	ISSUE DATE	PATENTEE	CLASS	SUB	FILING DATE IF APPROPRIATE	
SIMIX	4,700,473	10-20-87	Freyman et al	29	846		
01	4,720,445	01-19-88	Brahim et al	430	192	RECE	VFI
Λ	4,740,830	04-26-88	Ketley	357	67	TILOLI	V
1	4,743,642	05-10-88	Yanacek et al	524	358	****	2002
	4,766,179	08-23-88	De Koning V	525	282	AUG 27	ZUUZ
7	4,803,250	02-07-89	Nagasaki et al	525	329.3	-0.47	OU
$-\Lambda$	4,806,608	02-21-89	Klemarczyk	526	262	TCT	00
	4,826,995	05-02-89	Alexander et al	548	521	10	1
	4,826,997	05-02-89	Kirchhoff	548	546		1
	4,847,319	07-11-89	Bandlish	524	589		1
1	4,853,449	08-01-89	Domeier	526	259		1
17	4,873,116	10-10-89	Ancker	428	36.9		1
	4,876,153	10-24-89	Thorfinnson	428	447		•
	4,876,358	10-24-89	Alexander	548	521		
	4,886,842	12-12-89	Drain et al	522	103		
	4,904,360	02-27-90	Wilson, Jr. et al	204	181.7		}
SWILL	4,908,088	03-13-90	Boyd et al	156	307.3		ļ

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	NUMBER	DATE	PATENT OFFICE	02.00	CLASS	YES	NO
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avu	Thermosetting Resins", Polymer Bulletin, vol. 13, 409-415 (1985).						
	Hall, R. J., "Quality Assurance Specifications and Test Methods for Choosing A						
	Solder Mask", Surface Mount Int'l Conf. And Expo. Proc. Tech. Prog., 939-943						
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APPLICATION NO.: 09/580,026

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L. . .		843	29	Behun et al	04-10-90	4,914,814	AMG	
$\mathbb{I}V$	RECE	261	526	Saito et al	12-25-90	4,980,436		
, ,	11204	512	252	Su et al	03-12-91	4,999,136		-
7 20	ALIC 9	255	174	Freyman et al	04-09-91	5,006,673		
. 20	AUG 2	180.2	228	Thompson	04-30-91	5,011,066	1	
70	-04	54.1	427	Lutz	05-21-91	5,017,406		
10	TUT	170	522	Akiguchi et al	08-11-92	5,137,936		
		105	524	Muse et al	10-06-92	5,153,248		
		262	526	Kramer et al	02-02-93	5,183,869		·
		180.2	228	Melton et al	02-16-93	5,186,383		
l		423	525	Boyd et al	02-23-93	5,189,116		
		688	257	Lin et al	06-01-93	5,216,278		
		473.5	428	Fuchs et al	09-21-93	5,246,784		
1		98	427	Ando et al	10-12-93	5,252,355		
1		435	523	Uchida et al	11-02-93	5,258,426	V	/
		787	257	Shimozawa et al	12-21-93	5,272,377	1	$\overline{}$
		59	525	Bastiaansen	04-12-94	5,302,661		\subseteq

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0100		695 (1993).						
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201m		Components & Technology Conference, 1015-1017 (1992).						

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5,328,636	07-12-94	Maly et al	252	182.17	RF(EIV
5,347,258	09-13-94	Howard et al	338	333	<u> </u>	
					AUG	2 7 20
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	5,314,513 5,314,950 5,328,636 5,347,258	DOCUMENT PUBLICATION U.S. PATEN U.S. P	DOCUMENT PUBLICATION COUNTRY OR COUNTRY OR Country Country or Country	DOCUMENT PUBLICATION COUNTRY OR CLASS CLASS CLASS COUNTRY OR CLASS CLASS COUNTRY OR CLASS CLAS	DOCUMENT PUBLICATION COUNTRY OR CLASS SUB SUB	DOCUMENT PUBLICATION COUNTRY OR CLASS SUB TRANS SUB CLASS SUB SUB SUB CLASS SUB SUB

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SM	Sauers, C., "The Dehydration of N-Arylmaleamic Acids with Acetic Anhydride", <u>The Journal of Organic Chemistry</u> , vol. 34, no. 8, Aug. 1969, 2275-2279 (1969).			
9	Stone, D., "Derailing the Cost Drivers", <u>Printed Circuit Fabrication</u> , vol. 17, no. 12, 16-18 (1994).			
Sine	Wagener et al., "Donor Acceptor Polymerization Chemistry as a Vehicle to Low Energy Cure of Matrix Resins: Evolution of the 2-Tg Concept to Produce High Tg Polymers at Ambient Temperatures", Materials Laboratory, Air Force Wright Aeronautical Laboratories, Air Force Systems Command, Wright-Patterson, AFB, Ohio (Mar. 1989).			

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